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*Katz, B.; Yuret, D.; Lin, J.; Felshin, S.; Schulman, R.; Ilik, A.; Ibrahim, A.; O. Kwaako, P.;*

 Multimedia Computing and Systems, 1999. IEEE International Conference on , Volume: 2 , 7-11 June 1999  
 Pages:255 - 261 vol.2

[\[Abstract\]](#)   [\[PDF Full-Text \(784 KB\)\]](#)   IEEE CNF

**2 Modeling and querying structure and contents of the Web**  
*May, W.;*

 Database and Expert Systems Applications, 1999. Proceedings. Tenth International Workshop on , 1-3 Sept. 1999  
 Pages:721 - 725

[\[Abstract\]](#)   [\[PDF Full-Text \(116 KB\)\]](#)   IEEE CNF

**3 Pictorial query trees for query specification in image databases**
*Soffer, A.; Samet, H.; Zotkin, D.;*

 Pattern Recognition, 1998. Proceedings. Fourteenth International Conference on , Volume: 1 , 16-20 Aug. 1998  
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**4 Geometry coding and VRML**
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 Proceedings of the IEEE , Volume: 86 , Issue: 6 , June 1998  
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**6 Audio-visual content analysis for content-based video indexing**  
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*Kawashima, T.; Tateyama, K.; Iijima, T.; Aoki, Y.;*  
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*Davis, M.;*  
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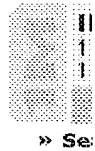
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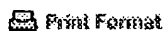
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**2 A prototype document image analysis system for technical journals**
*Nagy, G.; Seth, S.; Viswanathan, M.;*

Computer , Volume: 25 , Issue: 7 , July 1992

Pages:10 - 22

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**3 Using a high-level language to describe and create Web-based learning scenarios**
*Rodriguez-Artacho, M.; Verdejo, M.E.; Mayorga, J.J.; Calero, M.Y.;*

Frontiers in Education Conference, 1999. FIE '99. 29th Annual , Volume: 2 , 1 Nov. 1999

Pages:13A2/1 - 13A2/6 vol.2

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server can be installed to complement the services of Web servers. Each enterprise can install or s

**Keywords:** Constraint evaluation, Cost- benefit analysis, Database, E-commerce, Negotiation poli  
protocol

4 A declarative approach to business rules in contracts: courteous logic programs in XML

Benjamin N. Grosz, Yannis Labrou, Hoi Y. Chan

November 1999 **Proceedings of the 1st ACM conference on Electronic commerce**

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5 Spoken dialogue technology: enabling the conversational user interface

March 2002 **ACM Computing Surveys (CSUR)**, Volume 34 Issue 1

Full text available:  pdf(987.69 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)


Spoken dialogue systems allow users to interact with computer-based applications such as databa  
natural spoken language. The origins of spoken dialogue systems can be traced back to Artificial I  
concerned with developing conversational interfaces. However, it is only within the last decade or  
speech technology, that large-scale working systems have been developed and, in some cases, int

**Keywords:** Dialogue management, human computer interaction, language generation, language r  
recognition, speech synthesis

6 Human-computer interface development: concepts and systems for its management

H. Rex Hartson, Deborah Hix

March 1989 **ACM Computing Surveys (CSUR)**, Volume 21 Issue 1

Full text available:  pdf(7.97 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

*Human-computer interface management*, from a computer science viewpoint, focuses on the proc  
computer interfaces, including their representation, design, implementation, execution, evaluation  
presents important concepts of interface management: dialogue independence, structural modelin  
tools, rapid prototyping, development methodologies, and control structures. *Dialogue independen*

7 Integrating and customizing heterogeneous e-commerce applications

Anat Eyal, Tova Milo

August 2001 **The VLDB Journal — The International Journal on Very Large Data Bases**, Volu

Full text available:  pdf(286.63 KB)

Additional Information: [full citation](#), [abstract](#), [index terms](#)


A broad spectrum of electronic commerce applications is currently available on the Web, providing  
can think of. As the number and variety of such applications grow, more business opportunities er  
based on the integration and customization of existing applications. (Web shopping malls and sup  
just a couple of examples.) Unfortunately, the diversity of applications in each specific domain and

**Keywords:** Application integration, Data integration, Electronic commerce

8 Computer Software and Copyright

Calvin N. Mooers

January 1975 **ACM Computing Surveys (CSUR)**, Volume 7 Issue 1


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Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

9 Model-driven development of Web applications: the AutoWeb system

Piero Fraternali, Paolo Paolini

October 2000 **ACM Transactions on Information Systems (TOIS)**, Volume 18 Issue 4

Full text available:  pdf(6.94 MB)

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This paper describes a methodology for the development of WWW applications and a tool environment methodology. The methodology and the development environment are based upon models and technologies from hypermedia, information systems, and software engineering fields, adapted and blended in an original proposal is the conceptual design of WWW applications, using HDM-lite, a notation for the specific

**Keywords:** HTML, WWW, application, development, intranet, modeling

10 xlinkit: a consistency checking and smart link generation service

Christian Nentwich, Licia Capra, Wolfgang Emmerich, Anthony Finkelstein

May 2002 **ACM Transactions on Internet Technology (TOIT)**, Volume 2 Issue 2

Full text available:  pdf(463.26 KB)

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xlinkit is a lightweight application service that provides rule-based link generation and checks the content. It leverages standard Internet technologies, notably XML, XPath, and XLink. xlinkit can be used in a management scheme or in applications that require smart link generation, including portal construction and document repositories. In this article we show how consistency constraints can be expressed and checked

**Keywords:** Consistency management, XML, automatic link generation, constraint checking

11 Determining component reliability using a testing index

John Morris, Peng Lam, Gareth Lee, Kris Parker, Gary A Bundell

January 2002 **Australian Computer Science Communications , Proceedings of the twenty-fifth annual conference on Computer science - Volume 4**, Volume 24 Issue 1

Full text available:  pdf(1.24 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index](#), [testing](#)

Component-Based Software Engineering has the potential to provide reliable systems based on test results, but these systems will only be as reliable as the components from which they are constructed. This scale which can be used to rate the degree to which a component has been tested. This scale can be used to assess the risk of using a third party component. Since a variety of test strategies are used, it is necessary to have a testing index

**Keywords:** component testing, component-based, software engineering, software reliability

12 Security for Web Applications and P2P: Abstracting application-level web security

David Scott, Richard Sharp

May 2002 **Proceedings of the eleventh international conference on World Wide Web**

Full text available:  pdf(287.51 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index](#)


Application-level web security refers to vulnerabilities inherent in the code of a web-application its technologies in which it is implemented or the security of the web-server/back-end database on which it is implemented. In the last few months application-level vulnerabilities have been exploited with serious consequences: hackers have been shipping goods for no charge, user-names and passwords have been harvested and confidential information has been leaked

**Keywords:** application-Level web security, component-based design, security policy description language

13 Agent-mediated electronic commerce: issues, challenges and some viewpoints


Hyacinth S. Nwana, Jeff Rosenschein, Tuomas Sandholm, Carlos Sierra, Pattie Maes, Rob Guttman

May 1998 **Proceedings of the second international conference on Autonomous agents**

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- 14 IS '97: model curriculum and guidelines for undergraduate degree programs in information s  
Gordon B. Davis, John T. Gorgone, J. Daniel Couger, David L. Feinstein, Herbert E. Longenecker  
December 1997 **ACM SIGMIS Database , Guidelines for undergraduate degree programs on M**  
**guidelines for undergraduate degree programs in information systems**, Volume

Full text available:  pdf(7.24 MB)

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- 15 Principled design of the modern Web architecture

Roy T. Fielding, Richard N. Taylor

May 2002 **ACM Transactions on Internet Technology (TOIT)**, Volume 2 Issue 2

Full text available:  pdf(335.47 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The World Wide Web has succeeded in large part because its software architecture has been designed as a large-scale distributed hypermedia application. The modern Web architecture emphasizes scalability, generality of interfaces, independent deployment of components, and intermediary components to enforce security, and encapsulate legacy systems. In this article we introduce the Representationa

**Keywords:** Network-based applications, REST, World Wide Web

- 16 Current technological impediments to business-to-consumer electronic commerce

Gregory Rose, Huoy Khoo, Detmar W. Straub

June 1999 **Communications of the AIS**

Full text available:  pdf(479.36 KB)

Additional Information: [full citation](#), [references](#), [citations](#)

- 17 Modeling and validation of service-oriented architectures: application vs. style

Luciano Baresi, Reiko Heckel, Sebastian Thöne, Dániel Varró

September 2003 **ACM SIGSOFT Software Engineering Notes , Proceedings of the 9th European conference held jointly with 10th ACM SIGSOFT international symposium on engineering**, Volume 28 Issue 5

Full text available:  pdf(239.74 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Most applications developed today rely on a given *middleware platform* which governs the interaction access to resources, etc. To decide, which platform is suitable for a given application (or more generally, interaction between application and platform), we propose UML models of both the *architectural style* application scenario. Based on a formal interpretation of these as graphs and *graph transformation*

**Keywords:** *architectural style, graph transformation system, model checking, modeling middleware architectures*

- 18 Fast detection of communication patterns in distributed executions

Thomas Kunz, Michiel F. H. Seuren

November 1997 **Proceedings of the 1997 conference of the Centre for Advanced Studies on C**

Full text available:  pdf(4.21 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Understanding distributed applications is a tedious and difficult task. Visualizations based on process diagrams to obtain a better understanding of the execution of the application. The visualization tool we use at the University of Waterloo. However, these diagrams are often very complex and do not provide an overview of the application. In our experience, such tools display repeated occurrences of non-trivial

**19** DRM experience: Digital rights management in a 3G mobile phone and beyond

Thomas S. Messerges, Ezzat A. Dabbish

October 2003 **Proceedings of the 2003 ACM workshop on Digital rights management**

Full text available:  [pdf\(306.59 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index ter](#)


In this paper we examine how copyright protection of digital items can be securely managed in a devices. First, the basic concepts, strategies, and requirements for digital rights management are protecting digital content in the embedded environment of a mobile phone is proposed and the ele The means to enforce security in this system are described and a novel "Family Domain" approach

**Keywords:** MPEG-21, copyright protection, cryptography, digital content, digital rights management, management, mobile phone, open mobile alliance, security

**20** The AED approach to generalized computer-aided design

Douglas T. Ross

January 1967 **Proceedings of the 1967 22nd national conference**

Full text available:  [pdf\(2.02 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [i](#)




This paper has been written in response to a request for an up-to-date broad view of the approach by the M.I.T. Computer-Aided Design Project. Included in the suggestion was the hope that such a illuminate, expecially for people who are not system programmers, the major features which any c must have in order to be a useful practical tool. This has proved to be a difficult assignment, beca

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